

65851

On the Ultraviolet Absorption Spectra of Plutonium Compounds SOV/81-59-21-73842

$\rightarrow \text{PuC}_2\text{O}_4^{2+} + \text{H}^+$, which was found to be equal to $(3.0 \pm 1.8) \cdot 10^5$. The bands considered are interpreted as 5f-6d transitions in distinction from Pu bands in the longwave region which pertain to 5f-5f transitions.

V. Aleksanyan

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PHASE I BOOK EXPLOITATION SOV/5628

Akademiya nauk SSSR. Institut biologicheskoy fiziki

Rol' perekisey i kisloroda v nachal'nykh stadiyakh radiobiologicheskogo effekta (Role of Peroxides and Oxygen During Primary Stages of Radiobiological Effects) Moscow, 1960. 157 p. 4,500 copies printed.

Responsible Ed.: A. M. Kuzin, Professor; Ed. of Publishing House: K. S. Trincher; Tech. Ed.: P. S. Kashina.

PURPOSE : This collection of articles is intended for scientists in radiobiology and biophysics.

COVERAGE: Reports in the collection deal with the role of peroxides and oxygen in the primary stages of a radiobiological effect. They were presented and discussed at a symposium held December 25-30, 1958, organized by the Institut biofiziki AN SSSR, (Institute of Biophysics, AS USSR). Twenty-eight Moscow scientists, radiobiologists, radiochemists, physicists, and

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Role of Peroxides and Oxygen (Cont.)

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physical chemists took an active part in the symposium. Between the time of its conclusion and the publication of the present book some of the materials were expanded. In addition to the authors the following scientists participated in the discussion: L. A. Tummerman, V. S. Tongur, G. M. Frank, Yu. A. Kriger, E. Ya. Grayevskiy, N. N. Demin, B. N. Tarusov, and I. V. Vereshchenskiy. References follow individual articles.

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Card 3/5

S/081/61/000/024/006/086
B138/B102

AUTHORS: Grinev, V. S., Gromov, V. A., Korovina, I. A.

TITLE: Spectral analysis in the manufacture of radioactive preparations

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1961, 61, abstract
24B414 (Tr. Tashkentsk. konferentsii po mirn. ispol'zovaniyu
atomn. energii. Tashkent, AN UzSSR, v. 2, 1960, 377 - 382)

TEXT: The application of semi-quantitative emission analysis to impurities is described, together with absorption spectral analysis in the visual and ultraviolet ranges, for the identification and evaluation of labeled compounds in the production of radioactive preparations. In the first case an alternating current arc is used (generator $\Delta\Gamma-1$ (DG-1)) and a quartz spectrograph with single-lens illumination $\mathcal{N}\Gamma-22$ (ISP-22). The impurities in the preparation I^{131} (without carrier) were determined from the emission spectra, with a sensitivity of 0.0007%, and also rare-earth impurities in the oxides Ho_2O_3 , Dy_2O_3 and La_2O_3 . Using a type BC-1 (VS-1)

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S/081/61/000/024/006/086
B138/B102

Spectral analysis in the ...

steeloscope and the results of the marking analysis of metals, the metallic impurities were determined, which were contained in the blocks used for irradiating the preparations. The following labeled compounds were identified by absorption spectral analysis in the visual and UV ranges: para-formaldehyde, Bengal rose, diiodotyrosine and diiodofluorescin. Control checks were also made in the production of labeled vitamin B₁₂ and a number of compounds with S³⁵. [Abstracter's note: Complete translation.]

Card 2/2

S/186/61/003/005/012/022
E071/E485

AUTHORS: Razbitnaya, L.M., Korovina, I.A.

TITLE: An investigation of complexes of cerium, yttrium and uranyl with some chelate compounds. I. The determination of the composition of complexes of Ce(III), Y(III) and U(VI) with diethylenetriaminepentaacetic and ethyl-ester-diaminetetraacetic acids

PERIODICAL: Radiokhimiya, v.3, no.5, 1961, 593-596

TEXT: In order to determine the composition of the above complexes, a spectrophotometric method was used as some preliminary experiments have shown that an addition of the above complexones strongly changes the absorption spectra of solutions of salts of pure elements. The measurements were carried out on a CΦ-4 (SF-4) spectrometer at the following wavelengths: Ce(III) 300-250 m μ , Y(III) 300-240 m μ , U(VI) 330-275 m μ . In the above ranges, the light absorption by pure salts is insignificant but it is quite considerable for the complexes formed. The measurements were done in 10 cm long cells fitted with two quartz windows. Taking advantage of a thick absorption layer permitted the use of solutions of a low concentration (10^{-4} to 10^{-5} M). The pH of solutions was Card 1/2

S/186/61/003/005/012/022
An investigation of complexes ... E071/E485

kept constant at 5.5 with an acetate buffer. In preliminary experiments the velocity of the formation of complexes was determined. It was established that the optical density is attained immediately after the mixing of respective solutions and subsequently remains constant, i.e. the complex compounds are formed practically immediately. The composition of complexes was determined by the saturation method, i.e. by measuring optical density of a series of solutions in which the concentration of one of the components is cation constant and of the other complexone variable. It was found that under chosen conditions (pH = 5.5; ionic force $\mu = 0.2$; concentration of elements 10^{-4} to 10^{-5} M) cerium(III), yttrium(III) and uranium(VI) form with both acids, complexes in which the ratio of cation to complexone is 1:1. There are 2 figures and 6 references: 2 Soviet-bloc and 4 non-Soviet-bloc. The two references to English language publications read as follows: Ref. 2: M.J.Cabell, Analyst, v.77, 859 (1952); Ref. 3: T.Moller, A.T.Moss, R.H.Marschall, J. Am. Chem. Soc., v.77, 3182 (1950).

SUBMITTED: June 23, 1960

Card 2/2

RAZBITNAYA, L.M.; KOROVINA, I.A.

Complexes of cerium, yttrium, and uranyl with some chelate compounds. Part 1: Determination of the composition of complexes of Ce(III), Y(III), and U(VI) with diethylenetriaminopentaacetic acid and ethyl ether of diaminotetraacetic acids. Radiokhimiia 3 no.5:593-596 '61. (MIRA 14:10)
(Cerium compounds) (Yttrium compounds) (Uranyl compounds)
(Acetic acid)

USSR / General and Specialized Zoology. Insects.
Biology and Ecology.

P

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59122.

Author : Korovina, I. I.

Inst : Not given

Title : Egg-eaters of the Hemiptera.

Orig Pub: Tr. Voronezhsk. gos. zapovednika, 1957, vip. 7,
213-216.

Abstract: There was submitted a list of egg-eaters of 31
bug species from the families Pontatomidae (23
species), Miridae (2), Aradidae (1), Coreidae
(2), Reduviidae (1) and Zygacidae (1), compiled
from literature data and the author's observa-
tions in the Voronezh oblast'. Collections of
egg-laying were conducted by the bugs in arti-
ficial and natural propagations in the forest

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APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920010-5
USSR / General and Specialized Zoology. Insects.
Biology and Ecology.

Abs Jour: Ref Zhur-Biol., No 13, 1958, 59122.

Abstract: borders and clearings, where, almost in all
cases, an intense (80-100%) infestation of
the eggs by the egg-eaters was noted. --
G. A. Viktorov

Card 2/2

BRIKUN, N.I.; KOROVINA, K.F.; IVANOVA, Z.A.

Food poisoning caused by watermelons. Gig.i san. 25 no. 7878-
79 J1 '60. (MIRA 14:5)

1. Iz Orenburgskoy oblastnoy sanitarno-epidemiologicheskoy
stantsii.
(FOOD POISONING) (WATERMELONS)

LYSOV, B.A.; BELOVA, L.P.; KOROVINA, L.I.

Polarization of recombination radiation. Zhur. eksp. i teor. fiz.
40 no.4:1160-1165 Ap '61. (MIRA 14:7)

1. Moskovskiy gosudarstvennyy universitet.
(Radiation) (Electrons--Capture)

TERNOV, I.M.; LOSKUTOV, Yu.M.; KOROVINA, L.I.

Possibility of polarization of an electron beam due to reativistic
radiation in a magnetic field. Zhur.eksp.i teor.fiz. 41
no.4:1294-1295 O '61. (MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet.
(Electron beams) (Magnetic fields)

KOROVINA, L.I.

Beta-decay of polarized neutrons in a magnetic field. Izv. vys.
ucheb. zav.; fiz. 7 no.6:86-92 '64.

(MIRA 18:2)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

TERNOV, I.M.; LYSOV, B.A.; KOROVINA, L.I.

Theory of the β^- -decay of a neutron in an external magnetic field. Vest. Mosk. un. Ser. 3: Fiz., astron. 20 no.5:58-63
(MIRA 18:11)
S-0 '65.

1. Kafedra teoreticheskoy fiziki Moskovskogo universiteta.
Submitted May 26, 1964.

L 29284-66 - EWT(m)/T

ACC NR: AP6019334

SOURCE CODE: UR/0367/66/003/003/0499/0502

AUTHOR: Ternov, I. M.; Korovina, L. I.; Pavlova, O. S.

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B

ORG: Moscow State University (Moskovskiy gosudarstvennyy universitet)TITLE: Single-photon annihilation of polarized electron-positron pairs in a
magnetic field

19

SOURCE: Yadernaya fizika, v. 3, no. 3, 1966, 499-502

TOPIC TAGS: magnetic field, photon, electron positron pair, electron spin

ABSTRACT: The influence of the electron and positron spin orientation on the probability of their annihilation in a magnetic field is investigated. It is shown the annihilation probability decreases if the electron spin is opposite to the positron spin and to the direction of the magnetic field. Orig. art. has: 18 formulas.

[Based on authors' Eng. abstr.] [JPRS]

SUB CODE: 20 / SUHM DATE: 29Jun65 / ORIG REF: 005

Card 1/1 DC

KOROVINA, M.V.

Reflex reactions of the external ocular muscles to the stimulation of different receptors in the body. Fiziol. zhur. 49 (MIRA 17:3)
no.2:186-191 F'64

1. Kafedra normal'noy fiziologii Pediatriceskogo meditsinskogo
instituta, Leningrad.

KOROVINA, M. V.

KOROVINA, M. V.: "Material on the physiology of the exterior eye muscles and their central nervous regulation." Leningrad Pediatric Medical Inst. Chair of Normal Physiology. Leningrad, 1956
(Dissertation for the Degree of Candidate in Medical Sciences).

Source: Knizhnaya letopis' No 28 1956 Moscow

KOROVINA, M.V.

Changes in the electrical activity of individual eye muscles induced by impulses from the vestibular apparatus and cervical muscles in animals of various ages [with summary in English]. *Fiziol.zhur.* 45 no.1:32-39 Ja '59. (MIRA 12:2)

1. From the department of physiology, Paediatric Medical Institute, Leningrad.

(MUSCLES, OCULOMOTOR, physiol.

electrical activity changes induced by vestibular appar. & cervical musc. impulses in animals of various ages (Rus))

(VESTIBULAR APPARATUS, physiol.

eff. on oculomotor musc. of vestibular impulses in animals of various ages (Rus))

(NECK, physiol.

eff on oculomotor musc. of cervical musc. impulses in animals of various ages (Rus))

(AGING, physiol.

eff.on oculomotor musc. of vestibular & cervical musc. impulses in animals)

KVASOV, D.G., prof., atv. red.; IVANOV, I.I., prof., red.; SHUTOVA, N.T.,
prof., red.; KOROVINA, M.V., kand. med. nauk, red.; TSIPER-
SON, Z.S., tekhn. red.

[Problems in the general and age-related physiology of the
nervous system] Voprosy obshchey i vozrastnoy fiziologii
nervnoy sistemy. Pod red. D.G.Kvasova. Leningrad, 1960.
200 p.

1. Pediatriceskiy meditsinskiy institut. 2. Kafedra nor-
mal'noy fiziologii Leningradeskogo pediatriceskogo meditsin-
skogo instituta (for Kvasov, Korovina)
(NERVOUS SYSTEM)

KOROVINA, M.V.; ANTONOVA, I.G.

Reflex activity of the sternocleidomastoid muscles in ontogenesis.
Biul. eksp. biol. i med. 53 no. 4:30-34 Ap '62. (MIRA 15:4)

1. Iz kafedry normal'noy fiziologii (zav. - prof. D.G.Kvasov)
Leningradskogo pediatriceskogo meditsinskogo instituta. Predstavlena
deystvitel'nym chlenom AMN SSSR A.F.Turom.
(MUSCLES—INNERVATION) (REFLEXES)

KOROVINA, N.

Korovina, N. - "On secondary causes of injury in the forests of the Crimean Natural Reservation", nauch.-metod. zapiski (Council of Ministers, RSFSR, Main administration for natural reservations), Issue 11, 1948, p. 53-69, - Bibliog: p. 69.

So: U-3042, 11 March 53, (Letopis 'zhurnal 'nykh Statey, No. 7, 1949).

1. POLOZHENTSEV, P. A. Prof.: KOROVINA, N. I.
2. USSR (600)
4. Elm - Diseases and Pests
7. Yellowish moth (*Colymnia trapezina*) is destructive to seeds of the elm family.
Les istep' 4 No. 10, 1952.
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

KOROVINA, N. I. Cand Agri Sci -- (diss) "The Most Important Hemiptera
Damaging Tree and Shrub Plants in the Voronezh Environs," Voronezh, 1957,
17 pp, 100 copies (Voronezh Agricultural Institute) (KL, 49/60, 128)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920010-

Cord : 1/1

USSR/General and Specialized Zoology - Insects. Harmful
Insects and Acarids. Forest Pests.

P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25485

Author : Korovina, N.I.

Inst : Voronezh Agricultural Institute

Title : Hemiptera and Their Importance for Tree and Grass Plants.

Orig Pub : Zap. Voronezhsk. s.-kh. in-ta, 1957, 27, No 2, 205-210

Abstract : Bugs (B) of the Voronezhskaya Oblast' are represented by 513 species. Experiments, conducted under natural conditions, established that for the majority of B, feeding on seeds (B devour endosperms and cotyledons) of various plants, is necessary for their normal development. Many B damage the fruits of linden and wild rose trees, the seeds of ash and maple, raspberries, elderberries, honeysuckle, currants and cherries; as a result, they turn

USSR/General and Specialized Zoology - Insects. Harmful
Insects and Acarids. Forest Pests.

P

Abs Jour : Ref Zhur Biol., No 6, 1959, 25485

yellow prematurely and fall off. The damage, caused by B, is expressed (1) in direct sucking out of the seed contents; (2) in the action of the saliva, capable of liquefying tissue and possessing toxic properties; (3) in mechanical damage to the seed membranes and in the partial escape of sap from punctures, and (4) in causing infection. Thirty species of B were recorded on the vegetative and regenerative organs of the hazelnut, out of which 11 are harmful, 14 slightly harmful and 5 are beneficial. More substantial harm is caused by the green, blackthorn and berry stink bugs and *Carpocoris pudicus*. After a single dusting by DDT powder (18-20 kg/ha), the yield of healthy nuts consisted of 36%, of rotten ones 54% and sickly ones 7.3%; after a twofold treatment, healthy nuts comprised 81.3%, rotten ones 11.8%, sickly ones 5.4%. Twenty-six species of B were recorded on the

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Abs Jour : Ref Zhur Biol., No 6, 1959, 25485

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R00082492001

wild rose, out of which 12 were harmful and 2 were beneficial. The greatest harm to seeds was caused by the green and berry stinkbugs and *Gonocerus*. Forty species of B were registered on the birch, out of which 13 were harmful, 15 slightly harmful and 12 were beneficial. The greatest harm is caused by the small birch B, which decreases the yield of the seeds from 64.3% (in control) to 2.3%. Dusting with DDT and BHC powders (12-20 kg/ha) is recommended in the 3rd decade of April, when B emerge from their hibernating places. -- D.F.
Rudnev

Card 3/3

KOROVINA, N.N.; MOLODTSOVA, A.N.; CHIKHACHEV, M.S.; MAKAROV, M.S.,
ted.; SAZONOV, N.M., red.

[Multiple-counter Askot-class 170 adding machine] Mnogo--
schetchikovaia summiruiushchaia mashina-avtomat Askota
klassa 170. Moskva, Statistika, 1964. 135 p.
(MIRA 18:1)

KOROVINA, T.I. (Moskva)

Use of machines for constructing rules for distinguishing homonymy.
Prob. kib. no.7:225-228 '62. (MIRA 15:4)
(Machine translating)

KOROVINA, T. N.,
BELOGLYADOVA, N.I.; KOROVINA, T.N.

Cesarean section in peritonitis. Sov.med. 22 no.3:131-132 Mr '58.
(MIRA 11:4)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. M.G.
Rudnitskiy) Kur'skogo meditsinskogo instituta (dir. - prof. A.V.
Savel'yev)

(PERITONITIS, in pregn.
cesarean section, indic. & hazards (Rus))
(CESAREAN SECTION
in peritonitis, indic. & hazards (Rus))

KOROVINA, T.V.; MAKSIMOVA, I.L.; YAKOVLEVA, I.A.

Clinical aspects of dermatomyositis. Zdravookhranenie 2 no.5:40-
45 S-O '59. (MIRA 13:4)

1. Iz kafedr gospital'noy terapii (zaveduyushchiy - prof. M.A.
Polyukov) i patologicheskoy anatomii (zaveduyushchiy - kand. med.
nauk V.Kh. Anestiadi) Kishinevskogo meditsinskogo instituta.
(MUSCLES--DISEASES)

KOROVINA, T.V.; MISHCHENKO, V.V.; YAKOVLEVA, I.A.

Some clinical and anatomical comparisons in rheumatic fever.
Zdravookhranenie 3 no. 5:5-9 S-O '60. (MIRA 13:10)

1. Iz kafedr gospital'noy terapii (zav.- prof. M.A. Polyukhov)
i patologicheskoy anatomii (zav. - dotsent V,Kh. Anestiadi)
Kishinevskogo meditsinskogo instituta.
(RHEUMATIC FEVER)

STAROSTENKO, N.T.; SHLYAKHOV, E.N.; DROBINSKIY, I.R.; BONDURYANSKIY, I.P.;
VIZITIU, A.F.; SHROYT, I.G.; ZHITAR', V.D.; KOROVINA, T.V.;
LEBENZON, N.N.

Botkin's epidemic hepatitis in Moldavia and measures for its control. Zdravookhranenie 5 no.3:33-38 My-Je '62. (MIRA 16:1)

1. Iz kafedry fakul'tetskoy terapii, infektsionnykh bolezney, mikrobiologii, gospital'noy terapii Kishinevskogo meditsinskogo instituta (rektor - dotsent N.A.Testemitsanu), Moldavskogo instituta epidemiologii, mikrobiologii i gigiyeny (direktor - dotsent N.N.Yezhov) i Kishinevskogo gorodskogo otdela zdravookhraneniya (zav. - P.P.Kozishkurt). Nauchnyy rukovoditel' zasluzhennyy deyatel' nauki prof. N.T.Starostenko.
(MOLDAVIA--HEPATITIS, INFECTIOUS)

KOROVINA, T. V., dotsent; GOL'DBERG, I. D.

Third Republic Conference of Therapeutists of the Moldavian
S.S.R. Zdravookhranenie 5 no.2:63-64 Mr-Ap '62.
(MIRA 15:7)

(ENDOCRINE GLANDS--DISEASES)
(THERAPEUTICS--CONGRESSES)

STAROSTENKO, N.T.; DROBINSKIY, I.R.; ZAKHAROVA, T.A.; KOROVINA, T.V.

Comparative clinical characteristics of A and B type infectious hepatitis (Botkin's disease). Trudy Kish.gos.med.inst. 1:9-20 '60. (MIRA 16:2)

1. Kafedry fakul'tetskoy terapii, gospital'noy terapii i infektsionnykh bolezney Kishinevskogo gosudarstvennogo meditsinskogo instituta.

(HEPATITIS, INFECTIOUS)

KOROVINA, T.V.

Acute leukemia in elderly and senile persons. Trudy Kish.gos.
med.inst. 12±125-128 '60. (MIRA 16:4)

1. Kafedra gospital'noy terapii Kishinevskogo gosudarstvennogo
meditsinskogo instituta.
(GERIATRICS) (LEUKEMIA)

KOROVINA, T.V.; YAKOVLEVA, I.A.

Rheumatic fever and chronic septic endocarditis in elderly and
senile persons. Trudy Kish.gos.med.inst. 12:129-136 '60.

(MIRA 16:4)

1. Kafedra gospital'noy terapii i patologicheskoy anatomiⁱ
Kishinevskogo gosudarstvennogo meditsinskogo instituta.
(GERIATRICS) (RHEUMATIC FEVER)

USSR / General Biology. Individual Development. Embryonal Development.

B-2

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 61902

Author : Korovina, V. M.

Inst : Leningrad University

Title : The Development of Specific Reactions with Regard to Stimuli of Various Quality During Early Ontogenesis in Fishes and Amphibians.

Orig Pub : V. sb.: Probl. sovrem. embriologii. L., Un-t, 1956, 129-140

Abstract : The author critically reviews basic positions in teachings about "critical periods" in embryonal development of lower vertebrates. He shows that data upon which these teachings are based, are contradictory, and that contentions about existing antagonisms and disconnections during periods of growth and differentiation within processes of development are baseless, as are concepts of single-type and unspecific reactions of lower vertebrate embryos to various influences.

Card 1/2

S/051/62/013/006/025/027
E032/E314

AUTHORS: Al'perovich, L.I. and Korovina, V.M.

TITLE: A verification of the validity of the Kramers-Krönig dispersion relations in diluted solutions of anthracene

PERIODICAL: Optika i spektroskopiya, v. 13, no. 6, 1962,
880 - 881

TEXT: Brodin, Prikhot'ko and Soskin (Opt. i spektr., 6, 28, 1959) have reported some departures from the Kramers-Krönig dispersion relations which are very appreciable, even at room temperature. The authors have therefore investigated the applicability of these relationships to dilute solutions of anthracene, where the effect of intermolecular interactions on the relation between optical constants is expected to be small. In order to do this, an experimental determination was made of the $n(\lambda)$ and $k(\lambda)$ curves for solutions of anthracene in benzene and toluene with concentrations of the order of 10^{-4} - 10^{-5} g/ml. $n(\lambda)$ was measured with a quartz Jamin interferometer crossed with the MCM-28 (ISP-28) spectrograph. The absorption spectrum was measured with the CQ-4 (SF-4) instrument, incorporating the Card 1/2

A verification of

5/051/62/013/006/025/027
EO32/E314

ΦΕΥ-18 (FEU-18) photomultiplier. Comparison of the experimental results with the Kramers-Krönig theory gave satisfactory agreement at room temperature. It follows that the real molecular polarisability can be calculated from the absorption spectrum.
There is 1 figure.

SUBMITTED: June 27, 1962

Card 2/2

Korouina, U.M.

PHASE I BOOK EXPLOITATION

SOV/6162

Trubin, V. N., Candidate of Technical Sciences, and I. Ya. Tarnovskiy,
Doctor of Technical Sciences, eds.

Kovka krupnykh pokovok; rezul'taty issledovaniya tekhnologicheskikh
rezhimov (Production of Heavy Forgings; Results of a Study of
Technological Methods). Moscow, Mashgiz, 1962. 223 p. 3800
copies printed.

Reviewer: O. A. Ganago, Candidate of Technical Sciences; Tech. Ed.:
N. A. Dugina; Executive Ed. of Ural-Siberian Department (Mashgiz);
E. L. Kolosova, Engineer.

PURPOSE: This book is intended for engineering personnel of forging
shops and engineering and design offices at heavy-machinery plants,
as well as for those working in scientific-research and planning
organizations. It may also be useful to students at higher educa-
tional establishments.

Card 1/6

Production of Heavy Forgings; (Cont.)

SOV/6162

19
COVERAGE: The book reviews technological problems of forging large steel ingots. The effect of reduction and conditions of deformation on the quality of forgings is discussed on the basis of research work done at heavy-machinery plants of the USSR. The book offers practical suggestions on improving the quality of large forgings and reducing the amount of labor required to produce them. I. Ya. Chernikhova, V. I. Tarnovskiy, and V. P. Balcharev took part in preparing the copy for publication. There are 193 references, mostly Soviet.

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Card 2/6

Production of Heavy Forgings; (Cont.)

SOV/6162

Mechanism of "welding" of internal defects in metal (Trubin, V. N., and I. Ya. Tarnovskiy)	26
Welding of internal defects during forging (Sokolov, I. G.)	45
Effect of forging on the density of metal (Sokolov, I. G.)	49
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Effect of heat-treatment conditions on the anisotropy of mechanical properties of forged steel (Trubin, V. N., and I. Ya. Chernikhova)	64
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Card 3/6

Production of Heavy Forgings; (Cont.)

SOV/6162

2

Ch. V. Improving the Technology of Forging from
Large Ingots

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AVAILABLE: Library of Congress

SUBJECT: Metals and Metallurgy

Card 6/6

DV/wb/jk
2/25/63

Card 1/1 -09/12

L 55201-65 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(b)/EWA(c) PF-4 JD/HW

ACCESSION NR: AP5015827

UR/0182/65/000/006/0007/0010
621.984

25

B

AUTHOR: Lebedev, V. N.; Korovina, V. M.; Varakin, P. I.; Grinyuk, A. I.

TOPIC: Production of heavy gauge pipes from headless ingots

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 6, 1965, 7-10

TOPIC TAGS: steel industry, metal broaching, headless ingot, shrinkage head, pipe manufacture

ABSTRACT: Present methods of heavy gauge pipe rolling are uneconomical. The pipes are rolled on pilger mills from special blanks which are forged from an ordinary ingot. 17-20% of the metal is wasted in the shrinkage head. Since the central part of the ingot is full of defects, pores, etc., a method was developed at the Volgograd factory for making heavy gauge pipes from headless ingots by broaching. The ingots are broached on a vertical press and then drawn in rings on a horizontal press. There is a 17-28% savings in metal through reduction of weight in comparison with usual methods. Machine time per forging is

Card 1/2

L 55201-65
ACCESSION NR: AP5015827

reduced by a factor of approximately 10. Headless ingots have the following advantages when compared with ordinary ingots which have shrinkage heads:
1) A dense macrostructure; 2) The absence of highly developed chemical non-uniformities and liquation defects in the ingot; 3) A smaller number and more even distribution of nonmetallic inclusions. The manufacture of pipe forgings by the broaching and drawing method is highly productive and economically feasible. Blanks made from headless ingots are completely satisfactory with respect to macrostructure, metal purity and mechanical properties for making heavy gauge pipes. Orig. art. has: 5 figures, 3 tables.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: IE, MM

NO REF SOV: 000

OTHER: 000

Card 2/2

1. laboratoriya patokhimii Instituta biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

KOROVINA, YE. K.

33512

K Voprosu O Sindrome Simmondsa. Trudy Kurskogo Gos. Med In-Ta, T. 11, Vyp. 2, 1948, c. 139-
46

SO: Letopis' Zhurnal(nykh Statey, Vol. 45, Maskva, 1949

KOROVINA, Ye. K.

Result of application of a free perforated skin graft. Khirurgia,
(CLML 23:3)
Moskva no. 10:47-54 Oct 1952.

1. Of the Faculty Surgical Clinic (Director -- Prof. M. G. Bud-
nitskiy), Kursk Medical Institute.

KOROVINA, Ye. K.

Functional nature of a free skin transplant. Vest. khir., Moskva 73
no.1:21-26 Jan-Feb 1953. (CML 24:3)

1. Candidate Medical Sciences. 2. Of the Faculty Surgical Clinic
— Prof. M. G. Raditskiy), Kursk Medical Institute (Director — Prof.
G. Ye. Ostroverkhov).

LOSEV, I.P. [deceased]; SMIRNOVA, O.V.; KOROVINA, Ye.V.

Preparation of carbonic acid polyesters. Part 4: Synthesis
and study of carbonic acid polyesters based on 1,1-(4,4'-di-
hydroxydiphenyl)cyclohexane and phosgene. Vysokom. soed. 5
(MIRA 17:1)
no.10:1491-1495 0 '63.

1. Moskovskiy khimiko-tehnologicheskiy institut imeni
Mendeleyeva.

LOSEV, I.P. [deceased]; SMIRNOVA, O.V.; KOROVINA, Ye.V.

Synthesis and study of carbonic acid polyesters. Part 5: Carbonic acid polyesters based on 2,2-di-(4-hydroxy-3,5-dibromophenyl) propane and phosgene. Vysokom. soed. 5 no.11:1603-1607 N '63.

(MIRA 17:1)

1. Moskovskiy khimiko-tehnologicheskiy institut imeni Mendeleyeva.

L 08795-67 EWT(m)/EWP(j) IJP(c) RM
ACC NR: AP6030847 (A, N) SOURCE CODE: UR/0191/66/000/009/0020/0022 2

AUTHOR: Kolesnikov, G. S.; Kotrelev, V. N.; Kostryukova, T. D.; Lyamkina, Z. V.;
Pechenkin, A. A.; Smirnova, O. V.; Korovina, Ye. V.

45

ORG: none

TITLE: Film materials based on polycarbonate "ilon"

SOURCE: Plasticheskiye massy, no. 9, 1966, 20-22

TOPIC TAGS: polycarbonate plastic, synthetic material, polymer, dielectric layer,
polymer dielectric, dielectric material.

ABSTRACT: Physicomechanical, structural, and dielectric properties of the polycarbonate "ilon" films prepared from 1,1-di-(4-oxyphenyl)-cyclohexane and phosgene were studied in the temperature range from 60 to 210°C. It was found that the tensile strength of the ilon films was a function of the molecular weight of the polycarbonate. The softening point of the ilon films was found to be approximately 160-170°C. It was also found that the structure of the ilon films is less regular than that of the "diflon"-films [diflon is a brand name of a commercial polycarbonate resin]. It was found that ilon films exhibit constant dielectric properties in the range from -60 to +170°C. It is concluded that the ilon films are superior to diflon films for application as dielectric films. Orig. art. has: 5 figures and 2 tables.

SUB CODE: 11/ SUUM DATE: 00/ ORIG REF: 008/ OTH REF: 002
Card 1/1 set

IMC: 670.872'41'5.00-416

L 37215-66 EWP(j)/EWT(m)/T IJP(c) RM/MN

ACC NR: AP6018127

(A) SOURCE CODE: UR/0191/66/000/006/0040/0042

AUTHOR: Kovarskaya, B. M.; Kolesnikov, G. S.; Levantovskaya, I. I.;
Smirnova, O. V.; Drakyuk, G. V.; Poletakhina, L S.; Korovina, Ye. V.

ORG: none

TITLE: Thermo-oxidative degradation of polycarbonates

SOURCE: Plasticheskiye massy, no. 6, 1966, 40-42

TOPIC TAGS: polycarbonate plastic, heat resistance, oxidative
degradation, oxidation kinetics, reaction mechanism

ABSTRACT: Polycarbonates, molecular weight of about 30,000, based on
2,2-di-(4-hydroxyphenyl)-propane (PK-1), on 1,1-di-(4-hydroxyphenyl)-
cyclohexane (PK-2) and on di-(4-hydroxyphenyl)-phenylmethane (PK-3)
were subjected to thermal oxidation in vacuum.¹ Kinetic curves of the
thermal oxidations showed PK-1 was most stable and PK-3 the least
stable. Energies of activation for the oxidations were calculated:
21.0, 17.6 and 13.0 kcal/mol, respectively. Reaction mechanisms are
discussed. Auto-accelerated processes are indicated in the initial
period of thermal oxidation of PK-1 and PK-2. Radical-chain oxidation

Card 1/2

UDC: 678.674'41'5.01:620.192.424

L 37215-66

ACC NR: AP6018127

mechanisms are indicated for all three materials. It is concluded that polycarbonates with increased resistance to thermal oxidation should contain a minimum number of "aliphatic" hydrogen atoms in the main polymer chain and the bisphenols with aliphatic carbon atoms bonded to hydrogen. Orig. art. has: 3 figures, 6 equations and 2 formulas.

SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 009/ OTH REF: 002

ms
Card 2/2

L 38730-66 EWT(l)/EWT(m)/EWP(j)/T IJP(c) RM/WW/RO
ACC NR: AP6012716 (A) SOURCE CODE: UR/0190/66/008/004/0708/0712
AUTHOR: Smirnova, O. V.; Korovina, Ye. V.; Kolesnikov, G. S.; Lipkin, A. M. B3
Kuzina, S. I. B
ORG: Moscow Institute of Chemical Technology im. D. I. Mendeleyev (Moskovskiy
khimiko-tehnologicheskiy institut) 6
TITLE: Synthesis and investigation of polycarbonate from cyclopentane and phosgene
SOURCE: Vysokomolekulyarnyye soyedineniya, v. i, no. 4, 1966, 708-712
TOPIC TAGS: phosgene, cyclopentane, polycarbonate, polycondensation
ABSTRACT: A polycarbonate from 1,1-di-(4-hydroxyphenyl) cyclopentane was synthesized by the condensation of cyclopentanone with phenol. The polycarbonate was prepared by means of interphase polycondensation. Optimum conditions were established for the polycarbonate synthesis and its physical, mechanical and dielectric properties were determined. It was found that transparent polycarbonate films prepared from a 20% solution in methylene chloride are suited for use at elevated temperatures. Orig. [NT]
art. has: 5 figures.
SUB CODE: 11, 07/ SUBM DATE: 28Apr65/ ORIG REF: 006/ OTH REF: 001
Card 1/1 B UDC: 541.64+678.674

KOROVINA, YR. P.
25892

Znacheniye Issledovaniya Beloy Krovi Pri
Tuberkulinodiagnostike I Pri Tuberkulinoterapii
(Avtoreferat Kand. Dissertatsii)
Byulleten' In-Ta Tuberkuleza Akad. Med. Nauk
SSSR, 1948, No. 1, S. 3-11

SO: LETOPIS NO. 30, 1948

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824920010-5

KOROVINA, Yu.P. (Moscow).

Tuberculin diagnosis. Yel'd.i akush. no.10:20-24 0 '53.
(Tuberculin) (Tuberculosis--Diagnosis)

(MLRA 6:10)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824920010-5"

KOROVINA, Yu.P.

ASEEV, D.D., professor; BERLIN, I.I., professor; VOZNESENSKIY, A.N., professor; SOROKIN, I.E., professor; UGRYUMOV, B.P., professor; TOPCHAN, A.B., professor; AGAPKIN, I.N., kandidat meditsinskikh nauk; AGRACHEV, G.I., kandidat meditsinskikh nauk; AL'TSHULER, N.S., kandidat meditsinskikh nauk; BERNZON, Ya.Ye., kandidat meditsinskikh nauk; ZORIN, Ye.N., kandidat meditsinskikh nauk; KOROVINA, Yu.P., kandidat meditsinskikh nauk; KOSITSKIY, G.I., kandidat meditsinskikh nauk; MANDEL'SHTAM, F.M., kandidat meditsinskikh nauk; MOCHALOVA, T.P., kandidat meditsinskikh nauk; OBLOGINA, Ye.Ya., kandidat meditsinskikh nauk; PATSKHVMEROVA, A.G., kandidat meditsinskikh nauk; POKOTILOV, K.Ye., kandidat meditsinskikh nauk; ROZANOVA, M.D., kandidat meditsinskikh nauk; SAKHAROV, A.N., kandidat meditsinskikh nauk; YASHCHENKO, T.N., kandidat meditsinskikh nauk

"Tuberculosis"; handbook for physicians edited by Z.A.Lebedeva and N.a.Shmelev. Reviewed by D.D.Azeev and others. Probl.tub. 34 no.2: 76-80 Mr-Ap '56. (MLR 9:8)

(TUBERCULOSIS) (LEBDEV, Z.A.) (SHMELEV, N.A.)

KOROVINA, Yu.P., kand.med.nauk

Differential diagnosis of Book's sarcoidosis [with summary in French]
Probl.tub. 36 no.3:36-43 '58 (MIRA 11:5)

1. Iz diagnosticheskogo otdeleniya (zav. - prof. D.D. Aseyev)
Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza
Ministerstva zdravookhraneniya RSFSR (dir. - kand.med.nauk
V.F. Chernyshev).

(SARCOIDOSIS, differ. diag.

tuberc. (Rus))

(TUBERCULOSIS, differ. diag.

sarcoidosis (Rus))

ASEEV, D.D., prof.; KOROVINA, Yu.P., kand.med.nauk

"Antibacterial therapy in tuberculosis." Reviewed by D.D.Aseev,
IU.P.Korovina. Probl.tub. 37 no.5:106-108 '59.

(MIRA 12:10)

(TUBERCULOSIS)

ASEYEV, D.D.; KOROVINA, Yu.P.; ODNOLETKOVA, Ye.F.; TONITROVA, N.S.;
TIKHOVSKOVA, Ye.A.

Differential diagnosis of pleuropneumosclerosis of tuberculous
and other etiology. Probl.tub. no.5:11-20 '61. (MIRA 15:1)

1. Iz diagnosticheskogo otdeleniya (zav. - prof. D.D. Aseyev)
Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza
Ministerstva zdravookhraneniya RSFSR (dir. V.F. Chernyshev,
zam. dir. po nauchnoy chasti - prof. D.D. Aseyev).
(LUNGS—DISEASES) (DIAGNOSIS, DIFFERENTIAL)

KOROVINA, Z.

Time consumed per unit of plant production and ways of determining
it. Sots. trud 6 no.9:71-80 S '61. (MIRA 14:9)
(Krasnoyarsk Territory--Time study)

KOROVINA, Z.A.

People of Cuba in the fight for health. Sov. zdrav. 21 no.6:96 '62.
(MIRA 15°5)
(CUBA--PUBLIC HEALTH)

KOROVINA, Z.A.

Some information concerning sanitation in Latin American countries. Zdrav. Ros. Feder. 7 no.6:31-35 Je '63.
(MIRA 17:1)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A. Semashko.

USSR/Cultivated Plants - Grains.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82290
Author : Korovin, A.I., Korovina, Z.I., Vatsuro, L.D., Vosheva, Z.A.
Inst : N.A. Maksimov Academy
Title : The Influence of Soil Temperature on the Processes of Development and the Dynamics of Crop Formation.
Orig Pub : V sb.: Pamyati akad. N.A. Maksimova, M., AN SSSR, 1957, 130-144
Abstract : Experiments were conducted at the Solikamskaya Experimental Station on spring wheat Diamant, winter wheat Ul'yanovskaya and rye Vyatka. Temperatures lowered to 6-7° were created in the root zone by means of a continuous cooling of the vessels by cold running spring water in a special thermo-vegetation booth. Winter

Card 1/3

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R00082492001

USSR/Cultivated Plants - Grains.

M

Abs Jour : Ref Zhur Biol., No 18, 1958, 82290

Cultures pass well through the vernalization stage in spring planting if the cooled zone embraces not only the roots but also the points of stem growth. The continuous cooling of the roots starting with the germination phase leads to a great retardation in the passing of the spring wheat through the light stage (the duration of the phase, - the third leaf - shooting, is almost doubled). The retardation in the development in the presence of lowered temperatures of the nutritional elements in the presence of lowered temperatures of the nutritional elements in the soil is explained by slower uptake and by the effect of the continuous cooling of the root system. The nodal roots are more sensitive to lowered temperatures than the embryo roots. They grow slower, thicker, branch out weakly, and are arranged almost horizontally. The content of ash elements and of N also increased with cooling as did the sugar content, especially

Card 2/3

KOROVIN, A.I.; KOROVINA, Z.I.

Effect of low temperatures of the soil and its moisture during
different periods of ontogenesis on plant growth and development.
Izv. Kar. i Kol'. fil. AN SSSR no.2:108-116 '58. (MIRA 11:9)

1. Institut biologii Karel'skogo filiala AN SSSR.
(Soil temperature) (Soil moisture) (Grain)

KOROVIN, A.I.; KOROVINA, Z.I.

Effect of low soil temperatures on growth, development and crop yields of cereal plants under conditions prevailing in northern regions [with summary in English]. Bot. zhur. 44 no.3:281-296 Mr '59.
(MIRA 12:7)

I.Karel'skiy filial AN SSSR, Institut biologii, Petrosavodsk.
(Grain) (Soil temperature)

KOROVINA, Z.P.

Measuring labor productivity at plants of the woodpulp and paper industry. Dum. prom. 33 no.5:24-25 My '58. (MIRA 11:6)

1. Leningradskiy tekhnologicheskiy institut.
(Woodpulp industry) (Paper industry) (Labor productivity)

KOROVINA, Zinaida Pavlovna; PETRUSHEV, I.M., red.; SMIRNOV, A.S.,
[redacted], SNEZHAREVA, A.A., tekhn. red.

[Method of calculating the time expended per unit of
production] Metodika raschetov trudoemkosti produktsii. Mo-
skva, Ekonomizdat, 1963. 94 p. (MIRA 16:10)
(Time study) (Labor productivity)

KOROVINA, Zinaida Pavlovna; IGOL'NIKOV, Grigoriy L'vovich;
POTEMKIN, P.I., kand. ekon. nauk, otdv. red.;
SNITSARENKO, A.A., red.

[Overall improvement in planning in industry] Kompleksnoe
sovershenstvovanie planirovaniia v promyshlennosti, Novo-
sibirsk, Red.-izdatel'skii otdel Sibirsogo otd-niia AN
SSSR, 1964. 44 p. (MIRA 17:9)

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000824920010-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31844

Author : Korovintsyn, V.T., Lysinkov, I.M.

Inst :

Title : On the Use of Regularities of the Parabiotic Process for
the Study of Stomach Illnesses.

Orig Pub : V sb.: Ucheniye N. Ye. Vvedenskogo i klinich. praktike.
Odessa, 1957, 130-134.

Abstract : No abstract.

Card 1/1

L 24869-66 EMT(d)/EMT(1)/EMT(m)/EMP(r)/T/EMP(k)/EMP(h)/EMP(l) MM/DJ

ACC NR: AP6006400

(N)

SOURCE CODE: UR/0413/66/000/002/0144/014

AUTHOR: Korovitsin, L. F.

ORG: none

TITLE: Automatic pump unloading valve, Class 47, No. 178250

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966, 144

TOPIC TAGS: relief valve, pump, valve

ABSTRACT: This Author Certificate presents an automatic pump unloading valve containing a spring-loaded sealing element and a spring-loaded piston with push rod for opening the sealing element in case of overpressure (see Fig. 1). To allow the use of the valve in systems without an accumulator, the piston and push rod are separated by an auxiliary spring for complete opening of the sealing element.

Card 1/2

UDC: 621.65-334

L 24869-66

ACC NR: AP6006400

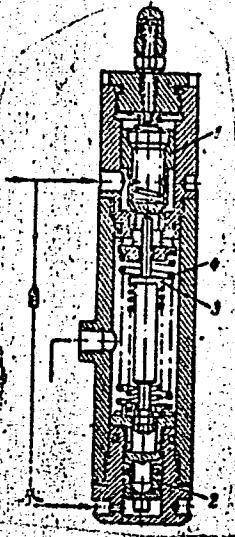


Fig. 1. 1 - sealing element;
2 - piston; 3 - push rod; 4 -
auxiliary spring.

Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 03Feb64
Card 2/2 dda

KOROVITSIN, V.P.

Changes in the geography of the urban population in the U.S.S.R.,
1926 - 1959. Izv. AN SSSR. Ser. geog. no.6:47-58 N-D '61.

(MIRA 14:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Cities and towns)

NAYSHTEYN, S.Ya., kand.med.nauk; PETROV, Yu.L., kand.med.nauk;
KOROVITSKIY, A.A., nauchnyy sotrudnik; BOBOK, T.Ye., nauchnyy
sotrudnik (Kyiv)

Sanitary protection of reservoirs from pollution by waste waters
of tanneries. Vrach.delo no.6:623-627 Je '60. (MIRA 13:?)

1. Ukrainskiy nauchno-issledovatel'skiy institut kommunal'noy
gigiyeny. (INDUSTRIAL WASTES) (WATER--POLLUTION)

Korovits'kiy, A.K.

GOL'SHTEYN, I.M., prof.; DEMIKOV'S'KIY, Ye.I., prof.; KOROVITS'KIY, A.K.,
prof.; LATSINNIK, Ye.Ya., prof. (Odesa); BRAUDE, T.R., prof.
(Kharkiv)

Isak Il'ich Levin; obituary. Mikrobiol.zhur. 19 no.4:69-70 '57.
(MIRA 11:1)

1. Pravlinnyi Dnipropetrov's'kogo filialu Vsesoyuznogo tovaristva
epidemiologiv, mikrobiologiv ta infektsionistiv.
(LEVIN, ISAK IL'ICH, 1904-1957)

KOROVITSKIY, and SCHEIN-J-SHEYN, Ya.
Affections of the visual organ in plasmocid intoxication and its treatment
Vestnik Oftalmologii 1940, 17/6 (747-751)

5220 Description of ten cases of atrophy of the optic nerve after administration of plasmocid. The illness had started six months to three years previously. At the instigation of Filatov a combined treatment was applied, viz. intravenous injection of 10 per cent NaCl solution, instillations of pilocarpine in both eyes, and subcutaneous injections of caffeine. In nine cases the visual acuity improved considerably, and the scotomata diminished in size and disappeared in some cases. It is an interesting fact that results were obtained even in cases where intoxication had occurred a long time previously.

Kalfus-Odessa (Sec. XII)

SO: Section II Vol. 1² No 7-12

KOROVITSKIY, L. K., PROF

USSR/Medicine - Infectious Diseases

Feb 52

X "Application of General X-Ray Therapy in Chronic Brucellosis," Prof Ye. D. Dubovyy, Prof L. K. Korovitskiy, R. A. Barenboym, Chair of Roentgenol, Therapeutic and Infectious Diseases Clinic, Odessa Med Inst

"Klin Med" Vol XXX, No 2, pp 38-43

Found that general X-ray therapy (irradiation of the whole body) is effective in the treatment of chronic brucellosis.

209T76

KOROVITSKIY, L.K.; TSUVERKALOV, D.A.; ZAKHETSKAYA, I.V.; DOROSHENKO, K.G.;
TATOMIR, L.G.

Skin allergy test in dysentery and its diagnostic significance.
Zhur. mikrobiol. epid. i immun. no.12:76-81 D '54. (MIRA 8:2)

1. Iz kliniki infektsionnykh bolezney (zav. prof. L.K.Korovitskiy)
i kafedry biokhimii (zav. prof. D.A.Tsuverkalov) Odesskogo meditsinskogo instituta imeni N.I.Pirogova (dir. I.Ya.Diyneka)

(DYSENTERY, diagnosis,
allergic skin test)

(ALLERGY, diagnosis,
skin tests, diag. value in dysentery)

KOROVITS'KIY, L.K.; TSUVERKALOV, D.A.; DOROSHENKO, K.G.; ZARETS'KA, I.V.

Using the allergy skin test for diagnosing dysenteria. Report no.2.
Mikrobiol. zhur. 18 no.1:34-40 '56. (MLRA 9:7)

1. Z Odess'kogo dershavnogo medichnogo institutu imeni M.I.Pirogova.
(DYSENTERY--DIAGNOSIS) (ALLERGY)

KOROVITSKIY, L.K., professor; MAUMOVA, R.P.

Course of recurrent and lingering forms of pneumococcal meningitis.
Vrach.delo no.5:477-479 My '57. (MIRA 10:8)

1. Klinika infektsionnykh bolezney Odesskogo meditsinskogo instituta
i gorodskaya infektsionnaya bol'niца
(MENINGITIS)

KOROVITSKIY, L.K., professor; GRINBERG, G.I., dotsent

[Rational classification of clinical forms of brucellosis. Vrach.
dopol no.8:801-803 Ag '57. (MIRA 10:8)]

1. Klinika infektsionnykh bolezney (zav. - prof. L.K.Korovitskiy)
Odeskogo meditsinskogo instituta
(BRUCELLOSIS--CLASSIFICATION)

KOROVITSKIY, L.K.

COL'SHTEYN, I.M.; DEMILOVSKIY, Ye.I. (Dnepropetrovsk); KOROVITSKIY, L.K.;
LATSIINK, Ye.Ya. (Odessa); BRAUDE, I.R. (Khar'kov); BOGDANOV,
I.L. (Kiev)

Isaak Il'ich Levin; an obituary. Vrach.delo no.2:219 F '58.
(LEVIN, ISAAK IL'ICH, 1904-1958) (MIRA 11:3)

KOROVITSKIY, L.K., prof., STEPANSKAYA, A.V.

Lesion of the myocardium in acute poliomyelitis. Sov.med. 22 no.6
55-59 Je '58 (MIRA 11:9)

1. Iz kliniki infektsionnykh bolezney (zav. - prof. L.K. Korovitskiy)
Odesskogo meditsinskogo instituta (dir. - prof. I.Ya. Deynska)
i Odesskoy infektsionnoy bol'nitsy (glavnyy vrach S.T. Kolesnikov).
(POLIOMYELITIS, compl.
cardiovasc. (Rus))
(CARDIOVASCULAR SYSTEM, in var.dis.
polio (Rus))

KOROVITSKIY, L. K., DOROSHENKO, K. T.

"Cutaneous allergic tests in dysentery depending on the character and duration of the disease."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

KOROVITSKIY, L. K.

"On the Question of the Clinical Symptoms of Acquired Toxoplasmosis"

Voprosy toxoplazmoza, report theses of a conference on toxoplasmosis,
Moscow, 3-5 April 1961, publ. by Inst Epidemiology and Microbiology
im. N. F. Gamaleya, Acad. Med. Sci USSR, Moscow, 1961, 69pp;

KOROVITSKIY, Leonid Konstantinovich, prof.; KOROTICH, A.S., red.;
BYKOV, N.M., tekhn. red.

[Brucellosis; clinical aspects, treatment, and prevention]
Brutsellez; klinika, terapiia i profilaktika. Kiev, Gos-
medizdat USSR, 1961. 161 p. (MIRA 15:7)
(BRUCELLOSIS)

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Aleksandr Yefimovich, dots.; STANKOV, Aleksandr
Georgiyevich; HERNYAVSKAYA, Larisa Vasil'yevna;
GRINBERG, G.I., red.

[Toxoplasmosis; epidemiology, clinical aspects, treatment
and prevention] Toksoplazmos; epidemiologija, klinika,
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KOROVITSKIY, L.K., prof.; GRIGORASHENKO, A.Ye., dotsent; CHERNEVSKAYA, L.V.

Distribution of and ways of becoming infected with toxoplasmosis
in the southern Ukraine. Vrach. delo no.5:112-116 My '62.

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1. Odesskiy institut epidemiologii i mikrobiologii i klinika
infektsionnykh bolenej Odeskogo meditsinskogo instituta.
(UKRAINE---TOXOPLASMOSIS)

KOROVITSKIY, L. K., prof.; LITVINENKO, A. G. (Odessa)

Lesion of the myocardium in toxoplasmosis. Klin. med. 40 no.7:
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1. Iz kliniki infektsionnykh bolezney Odesskogo meditsinskogo
instituta (dir. - I. Ya. Deyneka) i Odesskoy infektsionnoy
bol'nitsy (glavnyy vrach L. T. Zhidovlenko)

(TOXOPLASMOSIS) (HEART--DISEASES)

KOROVITSKIY, L.K., prof. (Odessa)

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Reviewed by L.K.Korovitskii. Vrach. delo no.7:152 J1'63. (MIRA 16:10)
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KOROVITSKIY, Ir.K. [Korovyts'kyi, L.K.], prof.; GRIGORASHKO, A.Ye. [Hryhorashko, A. I.E.], dotsent; MEL'NIK, M.N. [Mel'nyk, M.N.]; BOGDANYUK, L.S. [Bohdaniuk, L.S.], aspirant.

Measures for the control of congenital toxoplasmosis. Pediat. akush. ginek. no.3:35-36 '63 (MIRA 17:1)

1. Odesskiy meditsinskiy institut (rektor - prof. I.Ya.Deyneka [Deineka, I.IA.]) i Odesskiy institut epidemiologii i mikrobiologii (direktor - prof. N.D. Anina-Radchenko).

BIRKOVSKIY, Yu.Ye., red.; GRIGORASHCHENKO, A.Ye., red.; GRISHCHENKO, I.I., red.; GUTMAN, L.B., red.; KOROVITSKIY, L.K., red.; MEL'NIK, M.N., red.; PAVLOV, A.V., red.; PAP, A.G., red.; CHIRKOVA, L.A., red.

[Toxoplasmosis; transactions of the scientific conferences in Kiev, December 21 - 23, 1962, and in Odessa, April 25 - 27, 1963] Toksoplazmoz; trudy nauchnykh konferentsii, sostoiavshikhsia v g. Kieve 21-23 dekabria 1962 g. i v g. Odesse 25-27 aprelia 1963 g. Pod red. M.N.Mel'nika i A.G.Pap. Kiev, (MIRA 18:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva im. P.M.Buyko.

KOROVITSKIY, L.K., prof.; BORZOV, M.V., prof.; LOBANOVSKIY, G.I.;
BOGDANYUK, L.S.

Lesions of the skin in toxoplasmosis. Vest. derm. i ven. 38
no.12:28-32 D '64. (MIRA 18:8)

1. Kafedra infektsionnykh bolezney (zav.- prof. L.K. Korovitskiy)
i kafedra kozhnykh i venericheskikh bolezney (zav.p prof. M.V.
Borzov) Odesskogo meditsinskogo instituta imeni N.I. Pirogova.

ACCESSION NR: AP4037466

S/0146/64/007/002/0074/0081

AUTHOR: Korovitskiy, S. L.; Pasy*nkov, V. V.

TITLE: Simulation of exponential and logarithmic functions by nonlinear semiconductor resistors

SOURCE: IVUZ. Priborostroyeniye, v. 7, no. 2, 1964, 74-81

TOPIC TAGS: function, exponential function, logarithmic function, function simulation, function simulation by varistors

ABSTRACT: The theory of a semiconductor-type exponential-function generator and its experimental verification are reported. The current-voltage characteristic of a silicon-carbide nonlinear resistor is described by: $i = \sigma_0 e^{b\sqrt{U}}$, where σ_0 is the weak-field electric conductivity and b is a nonlinearity-characterizing constant. The parallel connection of nonlinear and linear resistors proved to possess the required exponential-function characteristic $i = ka^m$. A numerical

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calculation of the exponential-function generator is supplied. Experimental verification was conducted on a hookup whose simplified circuit is shown in Enclosure 1. By inserting the above generator into the feedback circuit of a computing amplifier, a logarithmic-function generator may be obtained. Orig. art. has: 4 figures, 9 formulas, and 4 tables.

ASSOCIATION: Leningradskiy elektrotekhnicheskiy institut im. V. I. Lenina
(Leningrad Electrotechnical Institute)

SUBMITTED: 31Oct63 DATE ACQ: 05Jun64

ENCL: 01

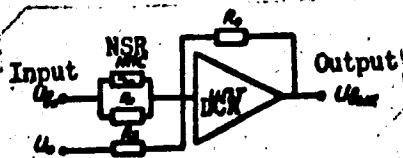
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ENCLOSURE 101



A simplified connection diagram of an exponential-function generator

NSR - nonlinear semiconductor resistor;

DCA - d-c amplifier

U_b - bias voltage

R_s - operating point setting resistor

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$$\pi_1(\Gamma)/\text{FFC}(\mathbf{b}) - 2/\text{FFA}(\mathbf{b}) \quad \text{Peb/P1-4}$$

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• 81. 1. 5

卷之三

AUTHOR: Korovitskiy, S. L.; Pasynkov, V. V.; Savelyev, G. A.

TITLE: Investigation of the effect of temperature on the current-voltage characteristics of varistors intended for computing equipment

CITED SOURCE: Izv. Leningr. elektrotekhn. in-ta, vyp. 53, 1964, 301-307

Keywords: varistor, nonlinear semiconductor resistor, semiconductor, current limiting, structure, computer

In using the nonlinear semiconductors as the active media, the voltage across the computation elements must be sufficiently large so that the current density is high enough to produce the desired effect.

temperature, in a working range of 10° to 100° C., is facilitated by the use of a thermocouple which is calibrated at the necessary temperatures. The use of a thermocouple to minimize the temperature effect on the viscosity is most likely a good idea if resistance to heat transfer is a problem.

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ACCESSION NR: AR5000577

input $\chi_1 = \frac{1}{t} \frac{\partial i}{\partial T}$ are introduced; here, $\kappa_{r_3} = k$, or $T = \text{const}$ ('T is the temperature, r_3 is the static resistance). Specimens of three types were used: NPS-70-13, NPS-70-14, and NPS-70-15. In the first two cases, the specimens were cut from standard resistors, while in the third case, they were cut from a current source. The specimens were held in a normal state, i.e., without any mechanical load. The characteristics of the specimens were measured at 20°C, 30°C, and 40°C. The variation of the resistance with temperature also causes a variation in the value of the parameter χ_1 . The variation of the resistance with temperature is not constant over the entire range of the measurement, and it is not linear.

When the variation of the resistance with temperature is not linear, the value of χ_1 and that of intraparticle resistance r_3 are not constant. The differences may appear in the values of the parameters of the model when the grain size changes. The variation of the resistance with temperature

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L 57603-65

ACCESSION NR: AB5000577

temperature and the dependence of k_{rst} on voltage modify the problem.
Temperature compensation of the varistors used in the computing equipment
is not sufficient. This has to be taken into account, and the compensation
should be done at the maximum voltage range of application.

ENCL: 0C

SUB CODE: DP, EC

Card 3/3

I 36194-66 FBD/EWT(1)/EEC(k)-2/T/EWP(k) IJP(c) WG
 ACC NR: AP6011448

SOURCE CODE: UR/0109/66/011/004/0668/0674

AUTHOR: Korovitsyn, A. V.; Naumova, L. V.; Lebedinskaya, Z. T.

56

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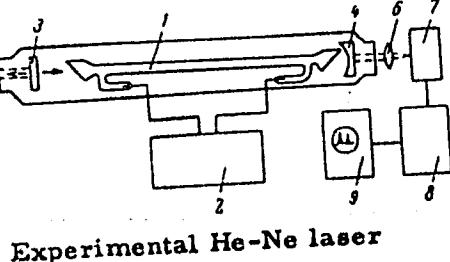
ORG: none

TITLE: Mode selection in the semiconcentric resonator of a gas laser

SOURCE: Radiotekhnika i elektronika, v. 11, no. 4, 1966, 668-674

TOPIC TAGS: gas laser, laser mode

ABSTRACT: A new method of mode selection involving a special tuning of a semi-concentric resonator was investigated. The resonator was formed by spherical and plane mirrors spaced close to the spherical-mirror radius. The exact resonator length was very essential. A He-Ne laser (see figure) could, depending on the mirrors used, emit either an infrared 1.15- μ m or red 0.63- μ m radiation. It comprised: 1 - discharge tube; 2 - 3-kv supply;



Experimental He-Ne laser

UDC: 621.378.335.092:621.391.84

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ACC NR: AP6011448

3 - plane mirror; 4 - spherical mirror; 5 - calorimeter; 6 - focusing lens; 7 - FEU-62 photomultiplier; 8 - UR3 amplifier; 9 - SCh-8 or SCh-9 spectrum analyzer. The discharge tube was 1100 mm long; the spherical-mirror radius, 1300 mm. With the inter-mirror distance considerably shorter than the spherical-mirror radius, several modes were observed. When this distance was made close to the radius, only one TEM_{oo}-mode remained; the power of this mode constituted 0.75-0.8 maximum laser power. Thus, the mode selection is highly efficient in a near-semiconcentric system. Calculation of diffraction loss and Q-factor is presented. "The authors wish to thank A. L. Mikaelyan for guidance of this project." Orig. art. has: 8 figures and 8 formulas.

SUB CODE: 20 ~~xx~~ / SUBM DATE: 27Feb65 / ORIG REF: 000 / OTH REF: 004

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(MIRA 18:32)

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